

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
21 December 2000 (21.12.2000)

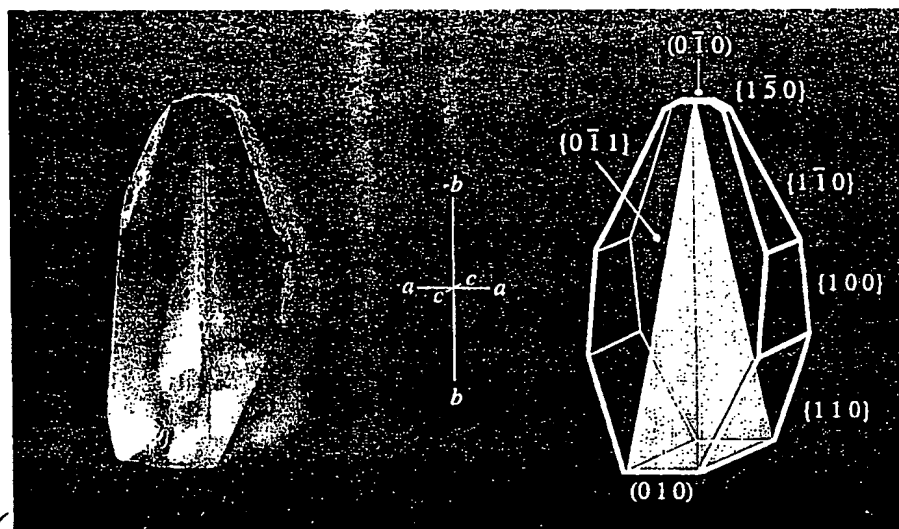
PCT

(10) International Publication Number  
WO 00/76480 A3

- (51) International Patent Classification<sup>7</sup>: A61K 9/16, 9/14
- (21) International Application Number: PCT/US00/16140
- (22) International Filing Date: 12 June 2000 (12.06.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/138,912 11 June 1999 (11.06.1999) US
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— With international search report.
- (88) Date of publication of the international search report:  
19 April 2001

[Continued on next page]

(54) Title: PHARMACEUTICAL MATERIALS AND METHODS FOR THEIR PREPARATION AND USE



(57) Abstract: Pharmaceutical compositions comprising crystals of a pharmaceutically-acceptable crystal lattice component, and an active pharmaceutical ingredient different from and included within the crystal lattice component in a growth-sector specific orientation. The crystals are prepared using components and methods which yield crystals having suitable purity and efficacy for use in administering the active pharmaceutical ingredients to a patient. The crystals are typically combined with adjuvants such as excipients, diluents or carriers, and are preferably formulated into tablets, capsules, suspensions, and other conventional forms containing predetermined amounts of the pharmaceuticals. Also provided are methods for preparing the crystals, and methods for storing and administering the active pharmaceutical ingredient either included within the crystals or upon reconstitution of the crystals to a solution.

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